



612.40260X00  
4689/00/JC

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: E. DURET, et al.  
Application No.: 09/899,039  
Filed: July 6, 2001  
For: METHOD AND SYSTEM INTENDED FOR REAL-TIME  
ESTIMATION OF THE FLOW MODE OF A MULTIPHASE  
FLUID STREAM AT ALL POINTS OF A PIPE  
Art Unit: 2128  
Examiner: R. W. Frejd

**SUPPLEMENTAL RESPONSE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

March 25, 2005

Sir:

This in response to the first Office Action dated December 23, 2004 and is supplemental to the Amendment of March 23, 2005.

On page 8 of the Amendment in the last paragraph the remarks should have stated ... "utilizes a trained neural network which receives flow indicator quantities as input and outputs a liquid flow rate and a gas flow rate of a two-phase flow in a conduit."

The claims are patentable for the same reasons set forth in the March 23, 2005 Amendment.

If the Examiner believes that there are any other points which may be clarified or otherwise disposed of either by telephone discussion or by personal interview, the Examiner is invited to contact Applicants' undersigned attorney at the number indicated below.

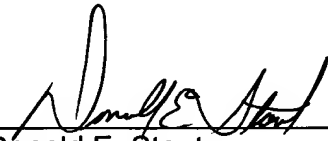
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To the extent necessary, Applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to the Antonelli, Terry, Stout & Kraus, LLP Deposit Account No. 01-2135 (Docket No. 612.40260X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

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DES/dlt

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